

## CLAIMS

1. A recording apparatus, comprising:

compression process means for compressing an  
input digital signal corresponding to a predetermined  
compression process and segmenting the compressed  
digital signal into blocks;

fixed value generating means for generating a  
predetermined fixed value;

adding means for adding the fixed value  
generated by said fixed value generating means at a  
predetermined timing to the blocks of the digital  
signal compressed by said compression process means;

encrypting means for encrypting the fixed  
value and the compressed digital signal added by said  
adding means; and

recording means for recording the fixed value  
and the compressed digital signal encrypted by said  
encrypting means to a record medium.

2. The recording apparatus as set forth in claim  
1,

wherein the record medium is  
attachable/detachable to/from the recording apparatus.

3. The recording apparatus as set forth in claim  
1,

wherein the record medium is a non-volatile  
memory.

4. The recording apparatus as set forth in claim

1,

wherein the fixed value generated by said fixed value generating means is varied corresponding to a compression rate.

5 5. The recording apparatus as set forth in claim 1,

wherein the digital signal is a digital audio signal, and

10 wherein the fixed value generated by said fixed value generating means is varied corresponding to a channel.

6. The recording apparatus as set forth in claim 1,

15 wherein when a plurality of blocks of the compressed digital signal compose the minimum encrypting unit, the fixed value is added to the first block of the plurality of blocks by said adding means.

7. The recording apparatus as set forth in claim 1,

20 wherein the fixed value is added to all blocks of the plurality of blocks by said adding means.

8. A recording method, comprising the steps of:  
compressing an input digital signal  
corresponding to a predetermined compression process  
25 and segmenting the compressed digital signal into blocks;

generating a predetermined fixed value;

adding the generated fixed value at a predetermined timing to the blocks of the compressed digital signal;

encrypting the fixed value and the compressed digital signal that have been added; and

recording the fixed value and the compressed digital signal that have been encrypted to a record medium.

9. The recording method as set forth in claim 8, wherein the record medium is attachable/detachable to/from a recording apparatus.

10. The recording method as set forth in claim 8, wherein the record medium is a non-volatile memory.

11. The recording method as set forth in claim 8, wherein the fixed value is varied corresponding to a compression rate.

12. The recording method as set forth in claim 8, wherein the digital signal is a digital audio signal, and

wherein the fixed value is varied corresponding to a channel.

13. The recording method as set forth in claim 8, wherein when a plurality of blocks of the

compressed digital signal compose the minimum encrypting unit, the fixed value is added to the first block of the plurality of blocks.

14. The recording method as set forth in claim 8,  
wherein the fixed value is added to all  
blocks of the plurality of blocks.

15. A reproducing apparatus for reproducing data  
of which a digital signal of which a fixed value is  
added at a predetermined timing to blocks of main data  
is compressed and encrypted from a record medium,  
comprising:

decrypting means for decrypting the  
compressed and encrypted digital signal;

separating means for separating the fixed  
value and the compressed data from the digital signal  
that are decrypted by said decrypting means;

decompressing means for decompressing the  
compressed main data separated by said separating  
means;

memory means for pre-storing a fixed value;

comparing means for comparing the fixed value  
separated by said separating means with the fixed value  
stored in said memory means; and

controlling means for permitting and  
prohibiting the decompressing process of said  
decompressing means for the main data decompressed by  
said decompressing means corresponding to the compared  
result of said comparing means.

16. The reproducing apparatus as set forth in  
claim 15,

wherein the record medium is attachable/detachable to/from the reproducing apparatus.

17. The reproducing apparatus as set forth in claim 15,

wherein the record medium is a non-volatile memory.

18. The reproducing apparatus as set forth in claim 15,

wherein said memory means stores a plurality of fixed values that vary corresponding to channels,

wherein the plurality of fixed values stored in said memory means are successively compared with the fixed value separated from said separating means so as to identify a channel.

19. The reproducing apparatus as set forth in claim 15,

wherein said memory means stores a plurality of fixed values that vary corresponding to compression rates,

wherein the plurality of fixed values stored in said memory means are successively compared with the fixed value separated from said separating means so as to identify a compression rate.

20. The reproducing apparatus as set forth in claim 15,

wherein the decompressing process is

permitted for the compressed main data corresponding to the compared result in such a manner that a mute process is performed for the decompressed main data.

21. A reproducing method for reproducing data of which a digital signal of which a fixed value is added at a predetermined timing to blocks of main data is compressed and encrypted from a record medium, comprising the steps of:

decrypting the compressed and encrypted digital signal;

separating the fixed value and the compressed data from the digital signal that are decrypted;

decompressing the compressed main data that is separated;

comparing the separated fixed value with the fixed value that is stored; and

permitting and prohibiting the decompressing process of comparing step for the main data that is decompressed corresponding to the compared result of comparing step.

22. The reproducing method as set forth in claim 21,

wherein the record medium is attachable/detachable to/from a reproducing apparatus.

23. The reproducing method as set forth in claim 21,

wherein the record medium is a non-volatile

memory.

24. The reproducing method as set forth in claim  
21,

wherein a plurality of fixed values that vary  
5 corresponding to channels are pre-stored, and

wherein the plurality of fixed values that  
are pre-stored are successively compared with the fixed  
value separated at separating step so as to identify a  
channel.

10 25. The reproducing method as set forth in claim  
21,

wherein a plurality of fixed values that vary  
corresponding to compression rates are pre-stored, and

15 wherein the plurality of fixed values that  
are pre-stored are successively compared with the fixed  
value separated at separating step so as to identify a  
compression rate.

26. The reproducing method as set forth in claim  
21,

20 wherein the decompressing process is  
permitted for the compressed main data corresponding to  
the compared result in such a manner that a mute  
process is performed for the decompressed main data.